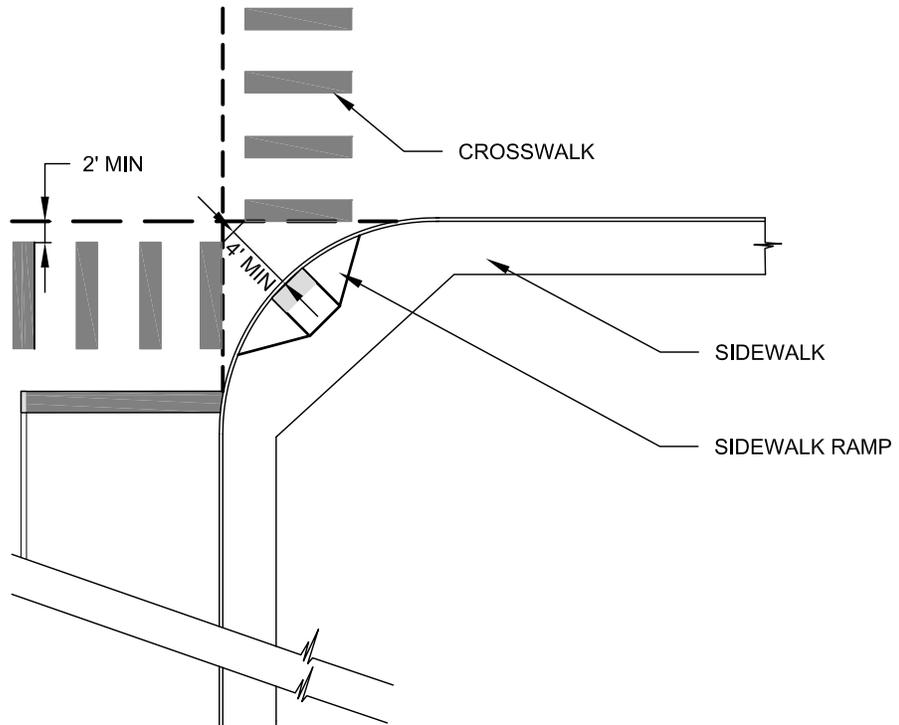


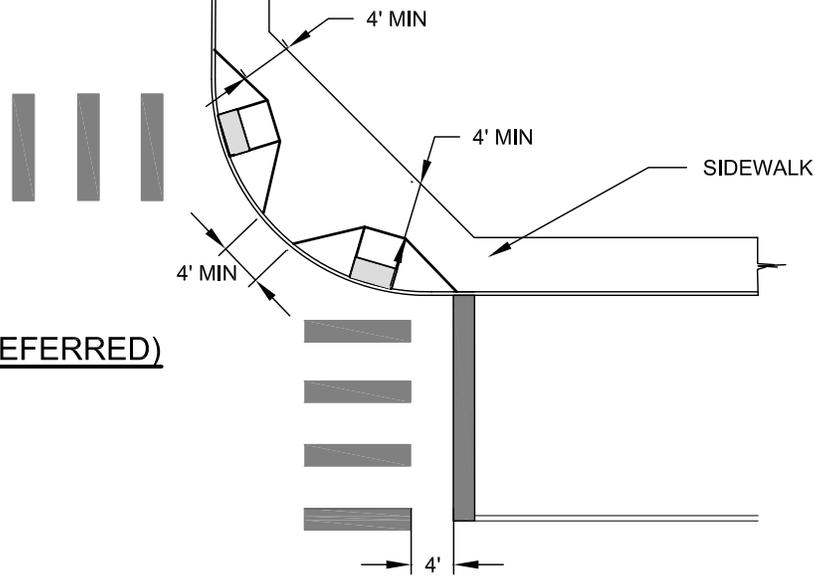
Section 99

Design Guidance

**SINGLE CURB
RAMP LAYOUT**
NTS



**DUAL CURB (PREFERRED)
RAMP LAYOUT**
NTS



NOTES:

1. SEE STANDARD DETAILS F-40.12-01, F-40.14-01, F-40.15-01, AND F-40.16-01 FOR ADDITIONAL DETAILS ON RAMP CONSTRUCTION.
2. SEE STANDARD DETAILS 311, 311A & 311B FOR ADDITIONAL DETAILS ON CROSSWALK AND STOP BAR CONSTRUCTION.
3. RAMP MUST BE WITHIN CROSSWALK.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014



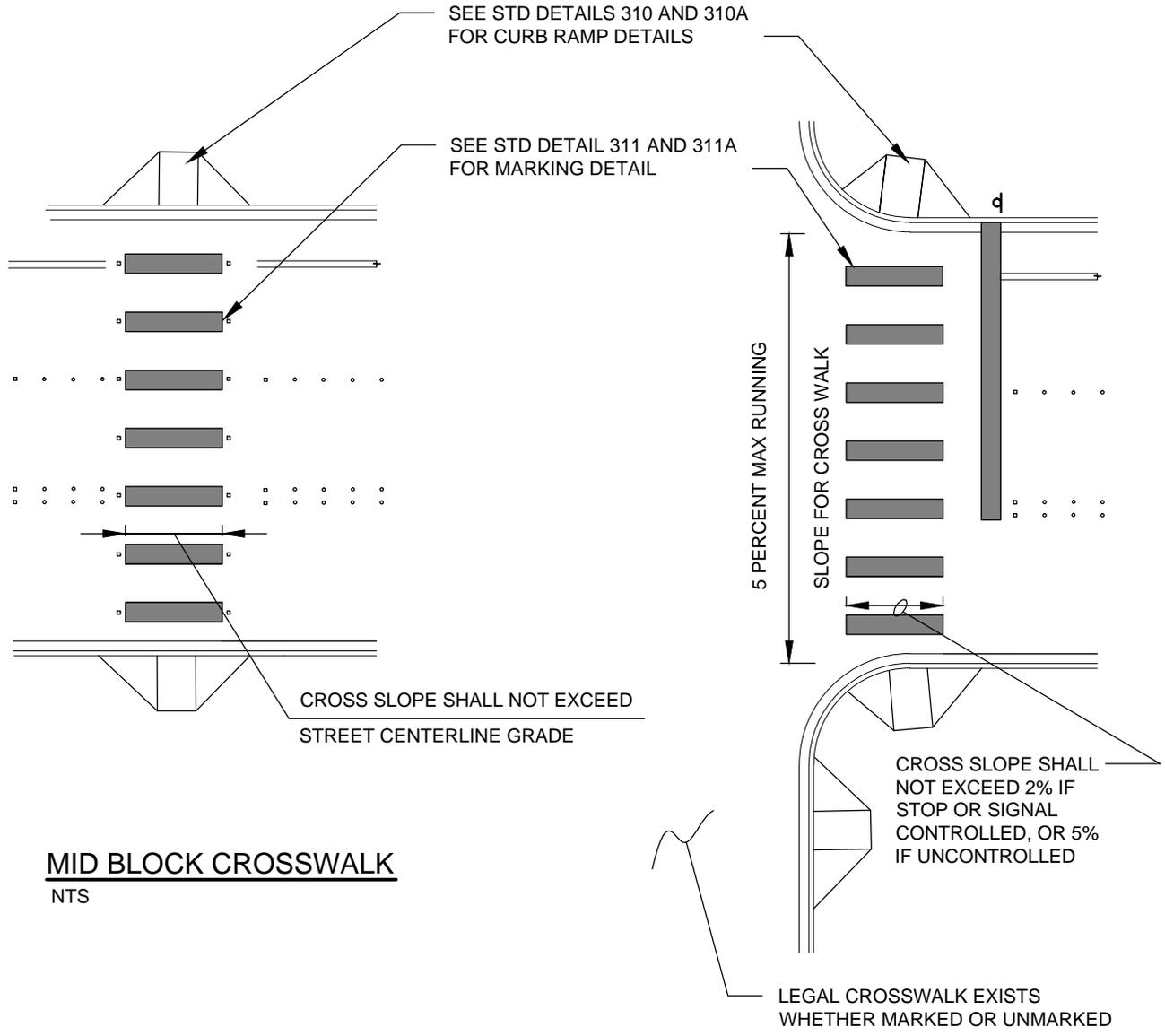
City of Redmond
WASHINGTON

STANDARD DETAILS

SIDEWALK RAMP LAYOUT

FILE NAME: DG01.DWG

DETAIL NUMBER: **DG01**



MID BLOCK CROSSWALK
NTS

CROSSWALKS AT INTERSECTION
NTS

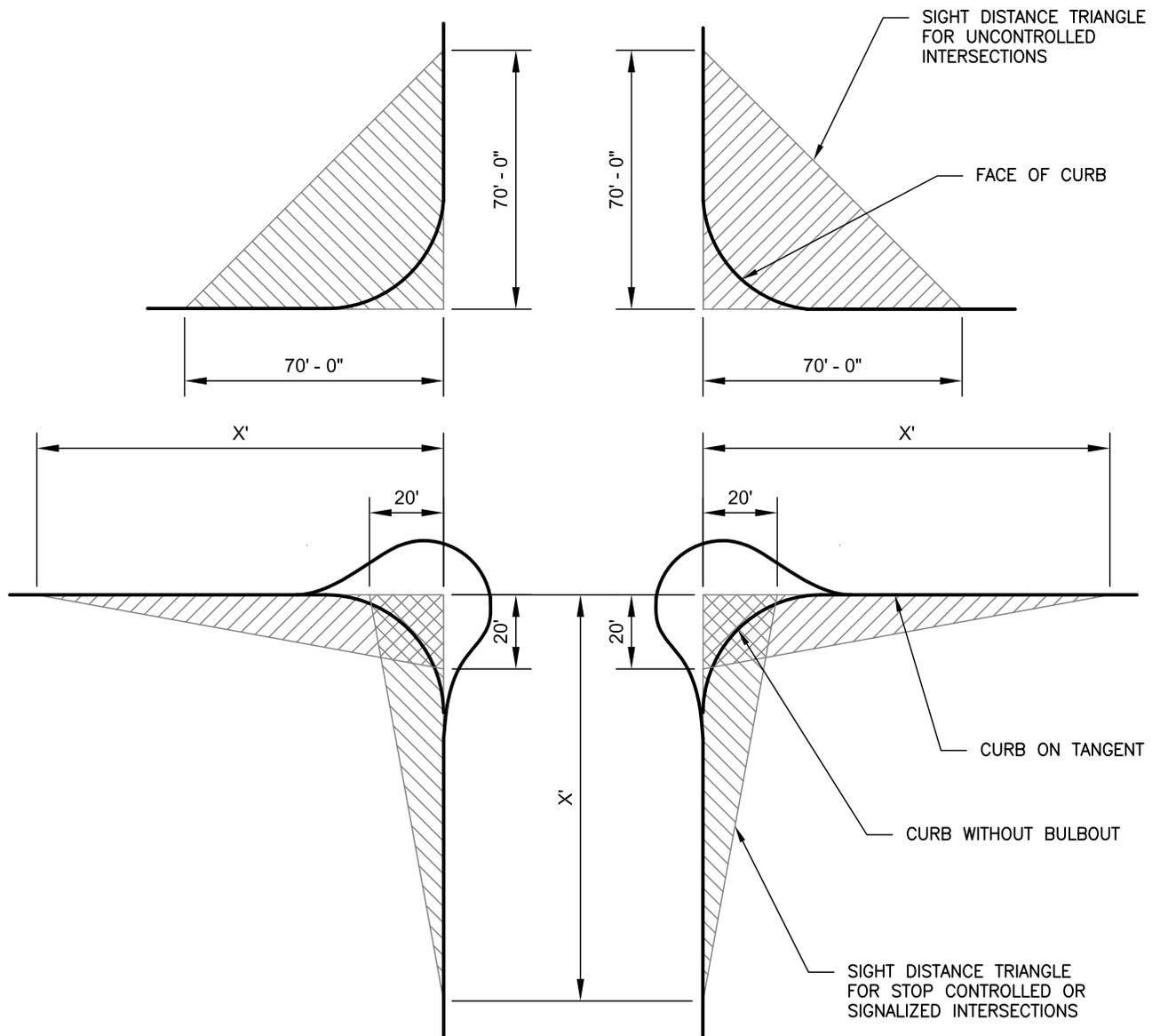
NOTES:

1. STANDARDS APPLY TO BOTH MARKED AND UNMARKED CROSSWALKS.
2. INSTALLATION SHALL REFLECT "REVISED DRAFT GUIDELINES FOR ACCESSIBLE PUBLIC RIGHTS-OF-WAY" DATED NOVEMBER 2012, EXCEPT AS APPROVED BY THE TRAFFIC ENGINEER.
3. RAMPS SHALL BE INSTALLED FOR ALL LEGAL CROSSWALKS, WHETHER MARKED OR UNMARKED, EXCEPT AS APPROVED BY THE TRAFFIC ENGINEER.
4. RAMP CROSS SLOPE SHALL NOT EXCEED THE CENTERLINE GRADE OF THE CROSSWALK.
5. SIDEWALK GRADE SHALL NOT EXCEED THE GENERAL GRADE OF THE PARALLEL STREET.

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2015



STANDARD DETAILS
**CROSSWALK ACCESSIBILITY
 DESIGN STANDARDS**
 FILE NAME: DG02.DWG DETAIL NUMBER: DG02



PLAN VIEW

NTS

NOTES:

1. X IS a) 100 FEET ALONG ARTERIAL STREETS OR b) 65 FEET ALONG LOCAL ACCESS STREETS.
2. SHOW TRIANGLES FOR STREET AND NON SINGLE FAMILY RESIDENTIAL DRIVEWAY INTERSECTIONS.
3. SIGHT DISTANCE TRIANGLE LEGS ALIGN WITH CURB ON TANGENT.
4. SIGHT DISTANCE TRIANGLE IS APPLICABLE BETWEEN A HEIGHT OF EIGHT AND TWO FEET ABOVE GROUND. NO SIGHT OBSTRUCTIONS SHALL EXIST PER RZC 21.52.040

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014



City of Redmond
WASHINGTON

STANDARD DETAILS

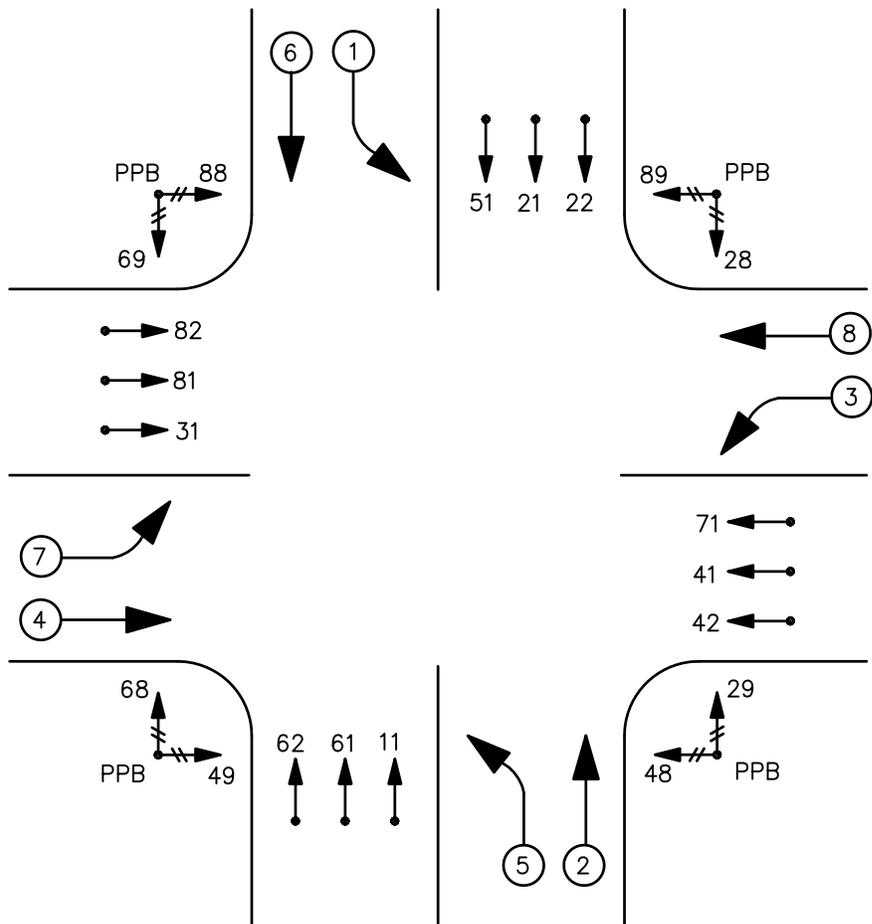
SIGHT DISTANCE TRIANGLE

FILE NAME: DG03.DWG

DETAIL NUMBER: **DG03**

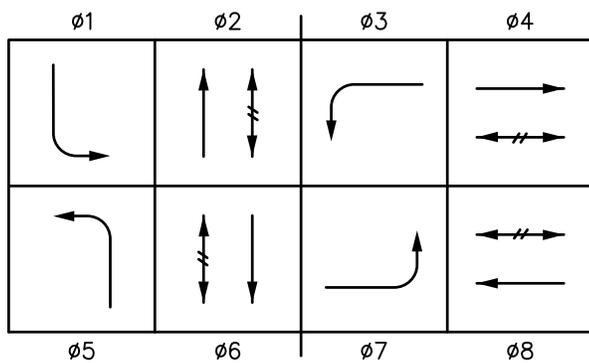
INTERSECTION HEAD NUMBERS

NTS



PHASING SEQUENCE DIAGRAM

NTS



NOTE:

PHASE 2 IS TYPICALLY NORTHBOUND. CONFIRM WITH TRAFFIC OPERATIONS DIVISION. EXCEPTIONS MAY OCCUR, SUCH AS FOR CONSISTENCY ALONG A CURVING ARTERIAL.

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2014



STANDARD DETAILS

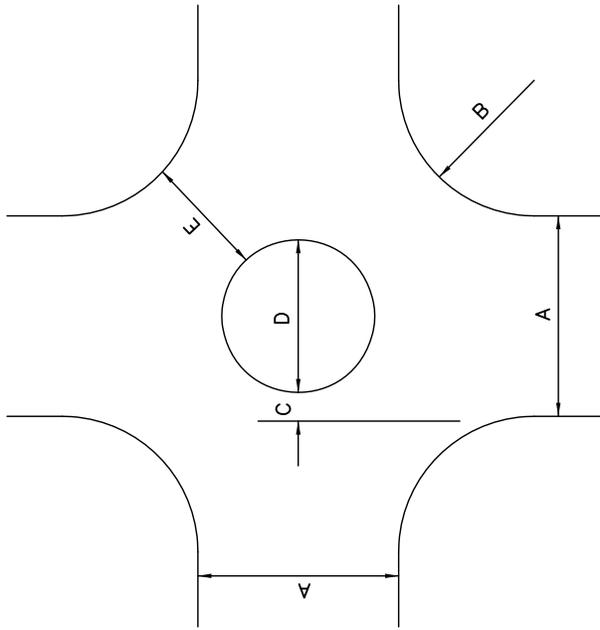
STANDARD INTERSECTION HEAD NUMBERS AND PHASING

FILE NAME: DG04.DWG DETAIL NUMBER: **DG04**

DIMENSIONS

A STREET WIDTH	B CURB RETURN RADIUS	C OFFSET DISTANCE	D CIRCLE DIAMETER	E OPENING WIDTH
20'	<15'	RECONSTRUCT CURBS	9'	16'+
	15'	5.5'	10'	17'+
	18'	5.0'	11'	18'-
	20'	4.5'	12'	19'+
24'	<12'	RECONSTRUCT CURBS	13'	16'
	12'	5.5'	14'	17'-
	15'	5.0'	15'	18'+
	20'	4.5'	17'	20'-
25'	<12'	RECONSTRUCT CURBS	14'	16'+
	12'	5.5'	15'	17'-
	15'	5.0'	16'	18'-
	18'	4.5'	18'	20'-
30'	<12'	RECONSTRUCT CURBS	19'	16'+
	12'	5.5'	20'	17'-
	15'	5.0'	21'	17'+
	20'	4.5'	22'	18'+
32'	25'	3.0'	24'	19'+
	10'	5.5'	21'	20'
	12'	5.0'	22'	16'+
	15'	4.5'	23'	17'-
36'	18'	4.0'	24'	18'-
	20'	4.0'	24'	19'-
	25'	2.5'	27'	19'+
	10'	5.0'	26'	20'
40'	12'	5.0'	26'	17'-
	15'	4.5'	27'	17'+
	18'	4.0'	28'	18'+
	20'	3.5'	29'	19'+
40'	25'	1.5'	33'	20'-
	10'	5.0'	30'	20'
	12'	4.5'	31'	17'+
	15'	4.0'	32'	18'+
40'	18'	3.5'	33'	19'-
	20'	3.0'	34'	20'-
	25'	1.0'	38'	20'+
	10'	1.0'	20'	20'

GEOMETRY



OPTIMUM CRITERIA

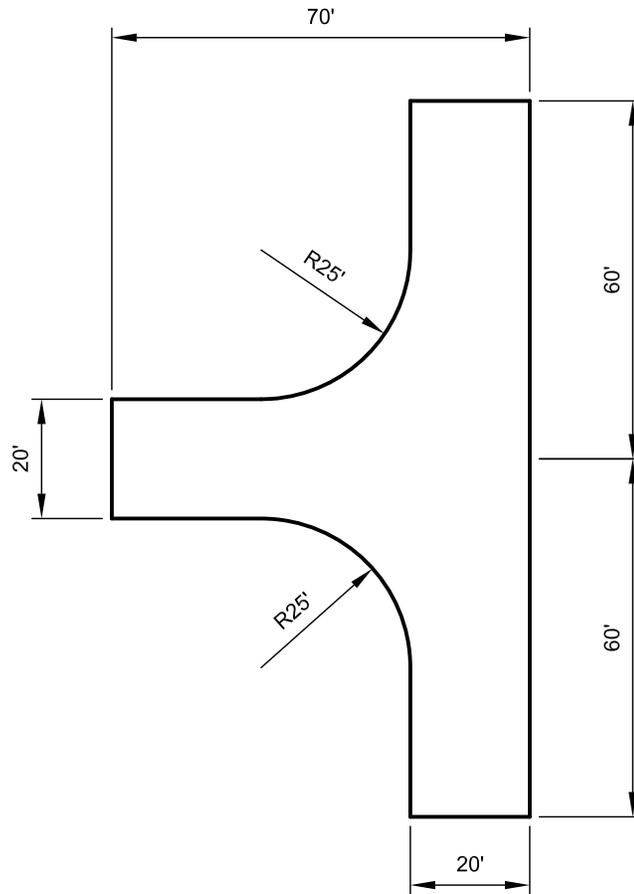
- NOTES:
- USE DIMENSION SCHEDULE AS A DESIGN GUIDE. FINAL DIMENSIONS TO BE DETERMINED BY THE ENGINEER.
 - FOR PLANTER ISLAND SPECIFICATIONS SEE TRAFFIC CIRCLE DETAIL SD478.
- | | |
|---------------------|-------------------|
| OFFSET DISTANCE (C) | OPENING WIDTH (E) |
| 5.5' MAX. | 16' MIN. |
| 5.0' | 17' ± |
| 4.5' | 18' ± |
| 4.0' | 19' ± |
| 3.5' OR LESS | 20' ± |

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER



STANDARD DETAILS
TRAFFIC CIRCLE DIMENSIONS
 FILE NAME: DG05.DWG DETAIL NUMBER: **DG05**

REVISION DATE: JULY 01, 2014



Todd Short

APPROVED BY: TODD SHORT
ASSISTANT FIRE MARSHAL

REVISION DATE: JULY 01, 2014



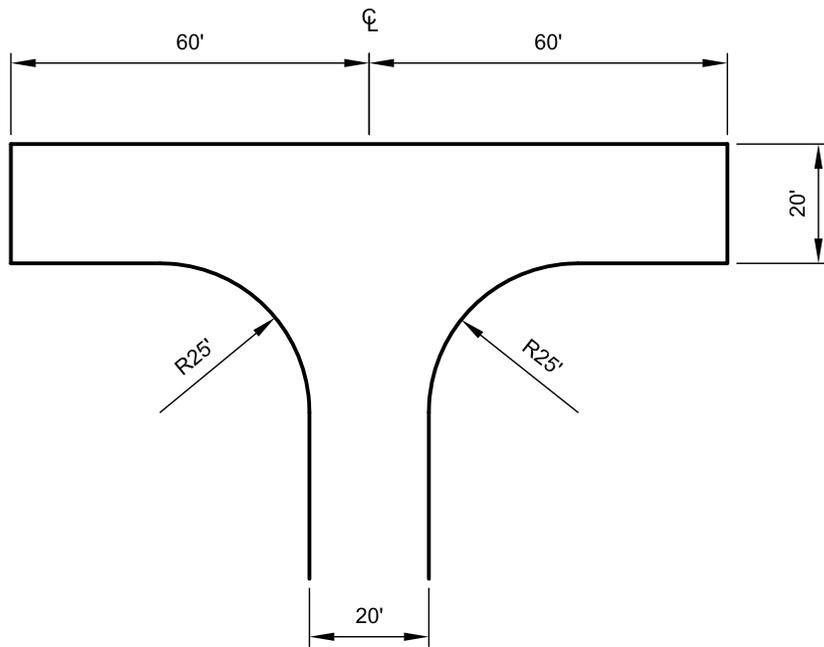
City of Redmond
WASHINGTON

STANDARD DETAILS

**120' HAMMERHEAD
ALTERNATE**

FILE NAME: DG06.DWG

DETAIL NUMBER: **DG06**



Todd Short

APPROVED BY: TODD SHORT
ASSISTANT FIRE MARSHAL

REVISION DATE: JULY 01, 2014



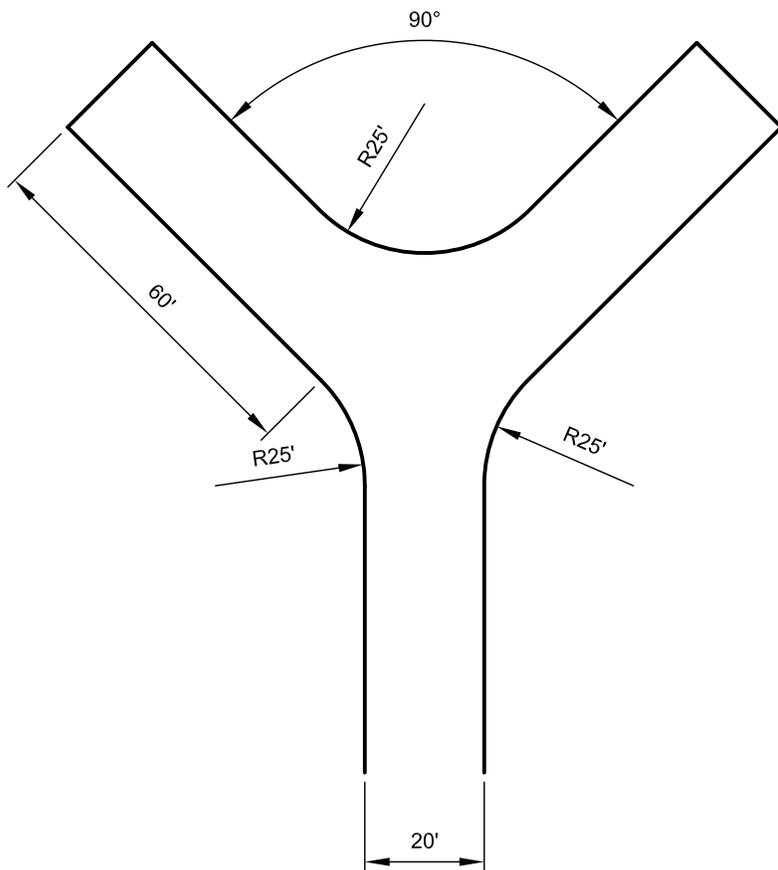
City of Redmond
WASHINGTON

STANDARD DETAILS

120' HAMMERHEAD

FILE NAME: DG07.DWG

DETAIL NUMBER: **DG07**



Todd Short

APPROVED BY: TODD SHORT
ASSISTANT FIRE MARSHAL

REVISION DATE: JULY 01, 2014



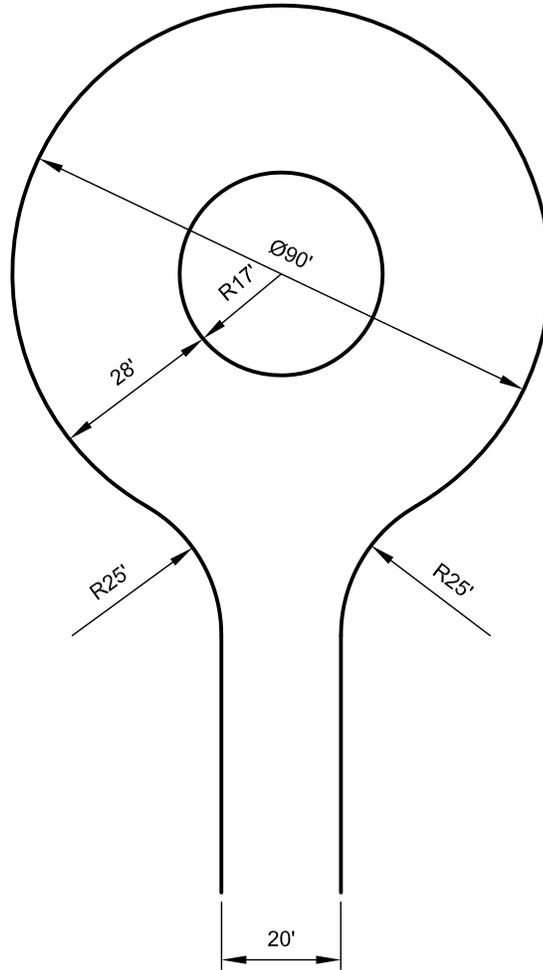
City of Redmond
WASHINGTON

STANDARD DETAILS

60' Y

FILE NAME: DG08.DWG

DETAIL NUMBER: **DG08**



Todd Short

APPROVED BY: TODD SHORT
ASSISTANT FIRE MARSHAL

REVISION DATE: JULY 01, 2014



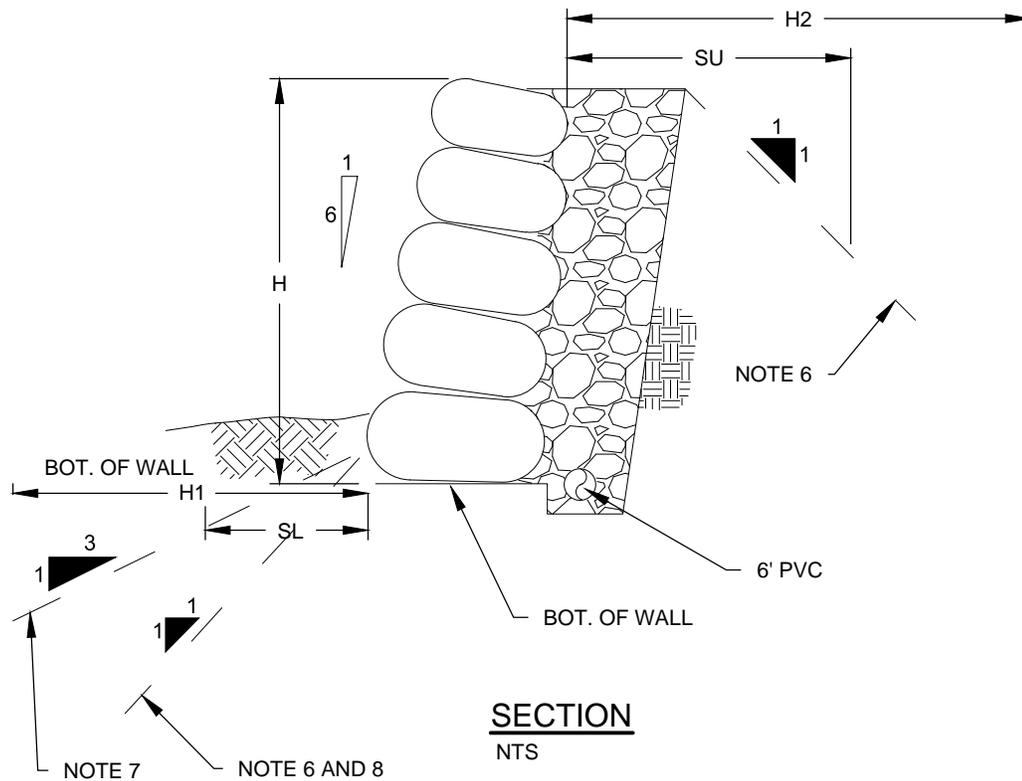
City of Redmond
WASHINGTON

STANDARD DETAILS

90° CUL-DE-SAC

FILE NAME: DG09.DWG

DETAIL NUMBER: **DG09**



NOTES:

1. FREE-STANDING HEIGHT OF ROCK WALL, "H" = VARIES PER DESIGN ALL ROCKERY/RETAINING WALLS OF HEIGHT 4 FEET OR GREATER SHALL BE DESIGNED BY STRUCTURAL OR GEOTECHNICAL ENGINEER.
2. MINIMUM SETBACK DISTANCE IN WHICH NO TEMPORARY EXCAVATION OR TRENCHING MAY BE PERFORMED, "SU" = 5 FEET.
3. MINIMUM SETBACK DISTANCE IN WHICH NO TEMPORARY EXCAVATION OR TRENCHING MAY BE PERFORMED, "SL" = 2/3H.
4. MINIMUM DISTANCE IN WHICH NO PERMANENT REMOVAL OF SUBGRADE IS ALLOWED, "H1" = 10 FEET.
5. MINIMUM DISTANCE IN WHICH NO EXCAVATION OF MATERIAL OR ANY SURCHARGE IS ALLOWED, "H2" = 10 FEET.
6. PLANE BELOW WHICH NO EXCAVATION IS ALLOWED.
7. PLANE DEPICTING MAXIMUM FINISHED GRADE: 3H:1V.
8. PLANE DEPICTING ZONE OF INFLUENCE: 1H:1V. THIS REPRESENTS THE AREA OF IMPACTS FROM THE MASS OF THE RETAINING STRUCTURE ON BURIED ELEMENTS (UTILITIES, ETC).
9. UNDERDRAIN IS REQUIRED BEHIND ROCKERY/RETAINING WALL IF ADJACENT TO CITY RIGHT-OF-WAY OR HEIGHT(H) GREATER THAN 18 INCHES.

Lisa W. Rigg
 APPROVED BY: LISA W. RIGG
 DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



City of Redmond
 WASHINGTON

STANDARD DETAILS

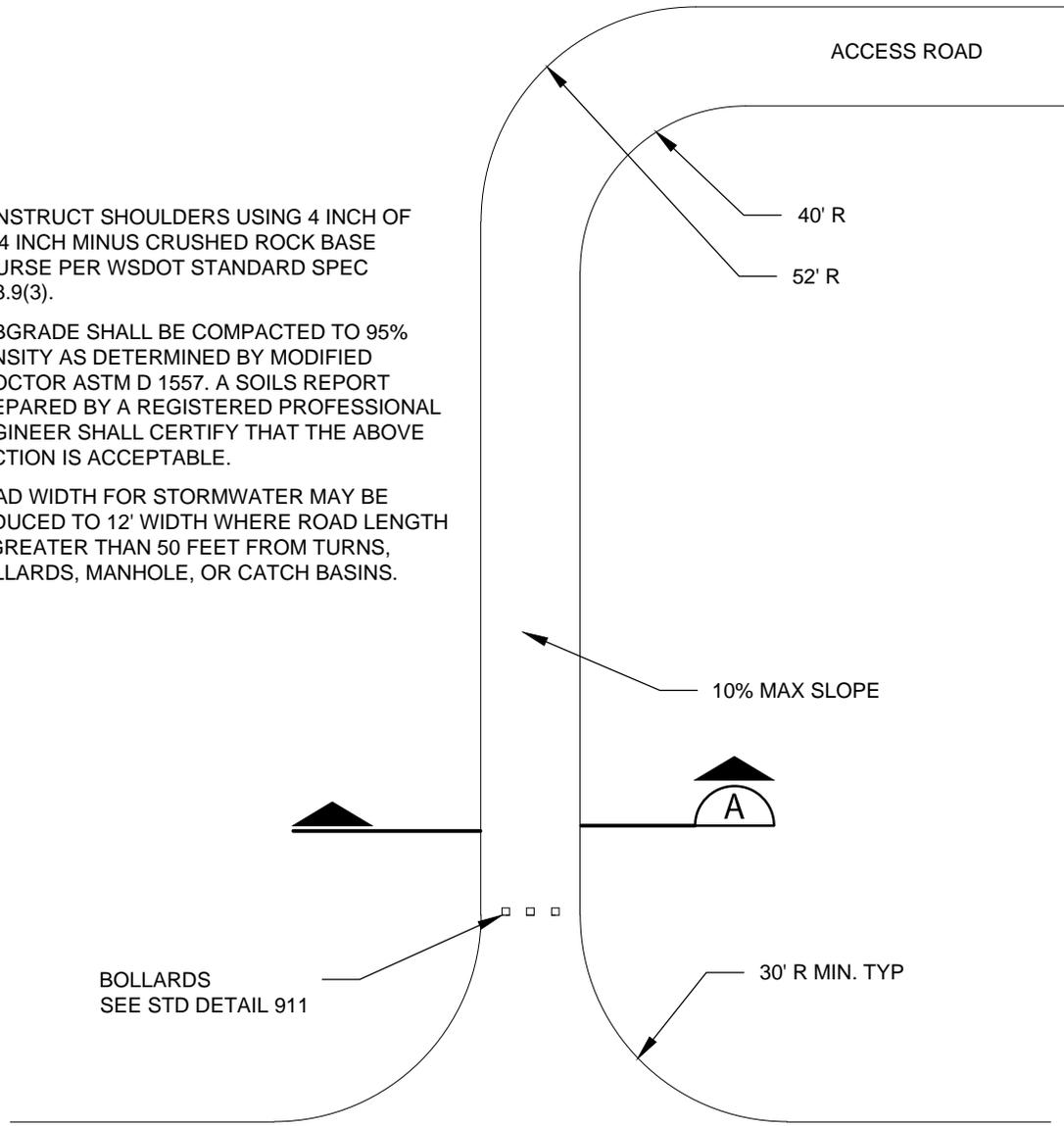
ROCKERY/RETAINING WALL
 EXCAVATION GUIDELINES

FILE NAME: DG10.DWG

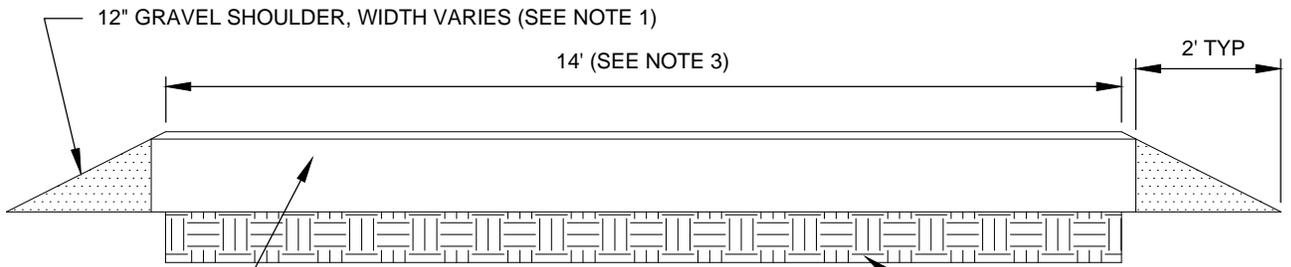
DETAIL NUMBER: DG10

NOTES:

1. CONSTRUCT SHOULDERS USING 4 INCH OF 1-1/4 INCH MINUS CRUSHED ROCK BASE COURSE PER WSDOT STANDARD SPEC 9-03.9(3).
2. SUBGRADE SHALL BE COMPACTED TO 95% DENSITY AS DETERMINED BY MODIFIED PROCTOR ASTM D 1557. A SOILS REPORT PREPARED BY A REGISTERED PROFESSIONAL ENGINEER SHALL CERTIFY THAT THE ABOVE SECTION IS ACCEPTABLE.
3. ROAD WIDTH FOR STORMWATER MAY BE REDUCED TO 12' WIDTH WHERE ROAD LENGTH IS GREATER THAN 50 FEET FROM TURNS, BOLLARDS, MANHOLE, OR CATCH BASINS.



PLAN VIEW
NTS

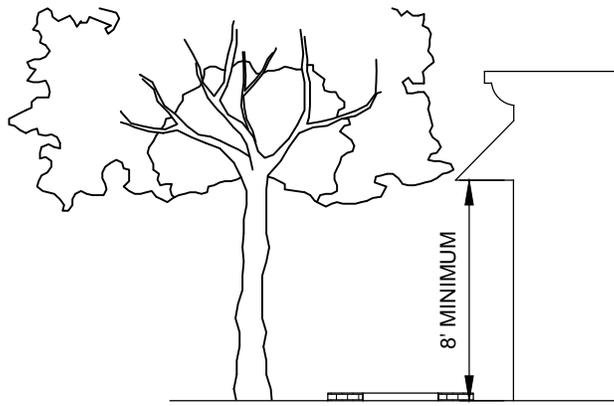


SECTION A
NTS

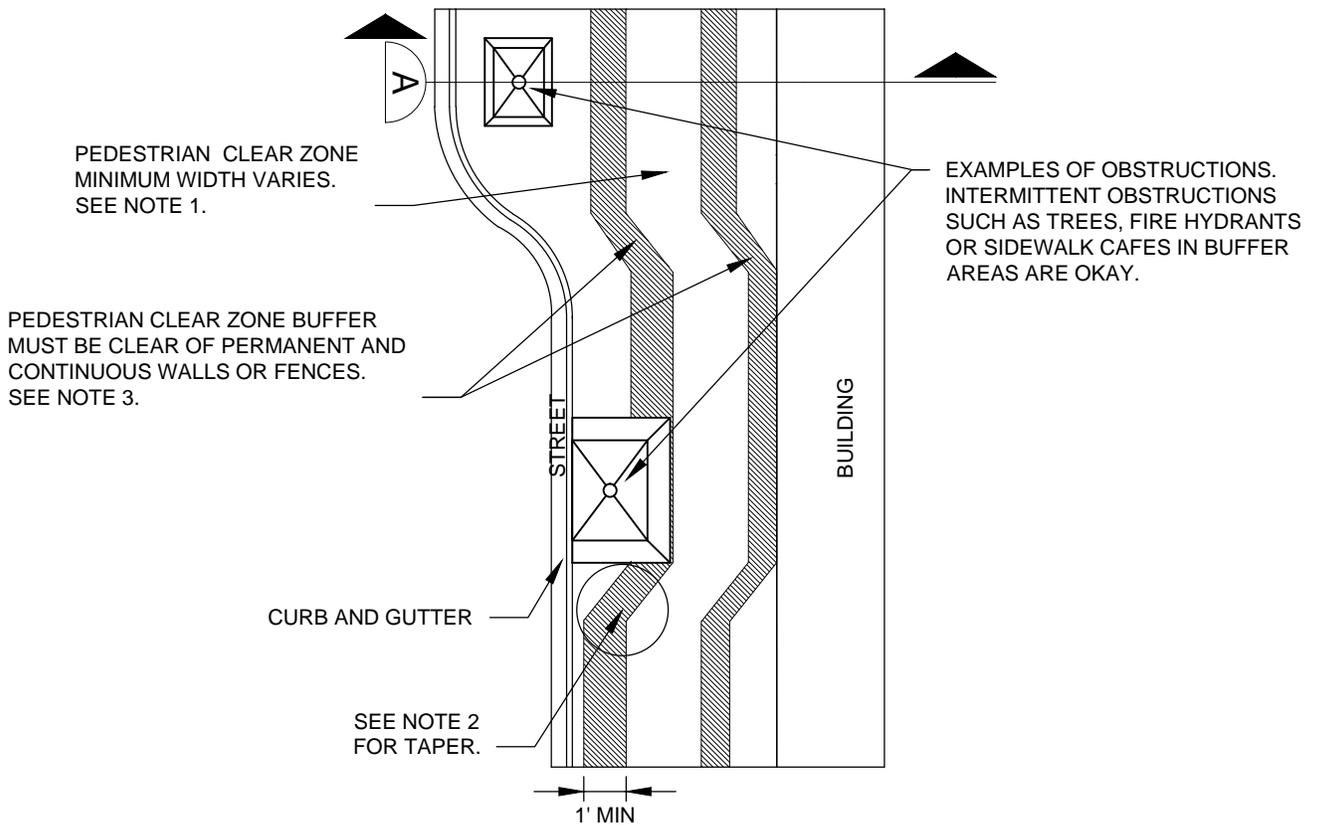
Gary M. Schimek
 APPROVED BY: GARY M. SCHIMEK
 NATURAL RESOURCES/STORMWATER ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2018



STANDARD DETAILS
**STORM / SEWER
 FACILITY ACCESS ROAD**
 FILE NAME: SDDG11.DWG | DETAIL NUMBER: DG11



SECTION A
NTS



PLAN VIEW
NTS

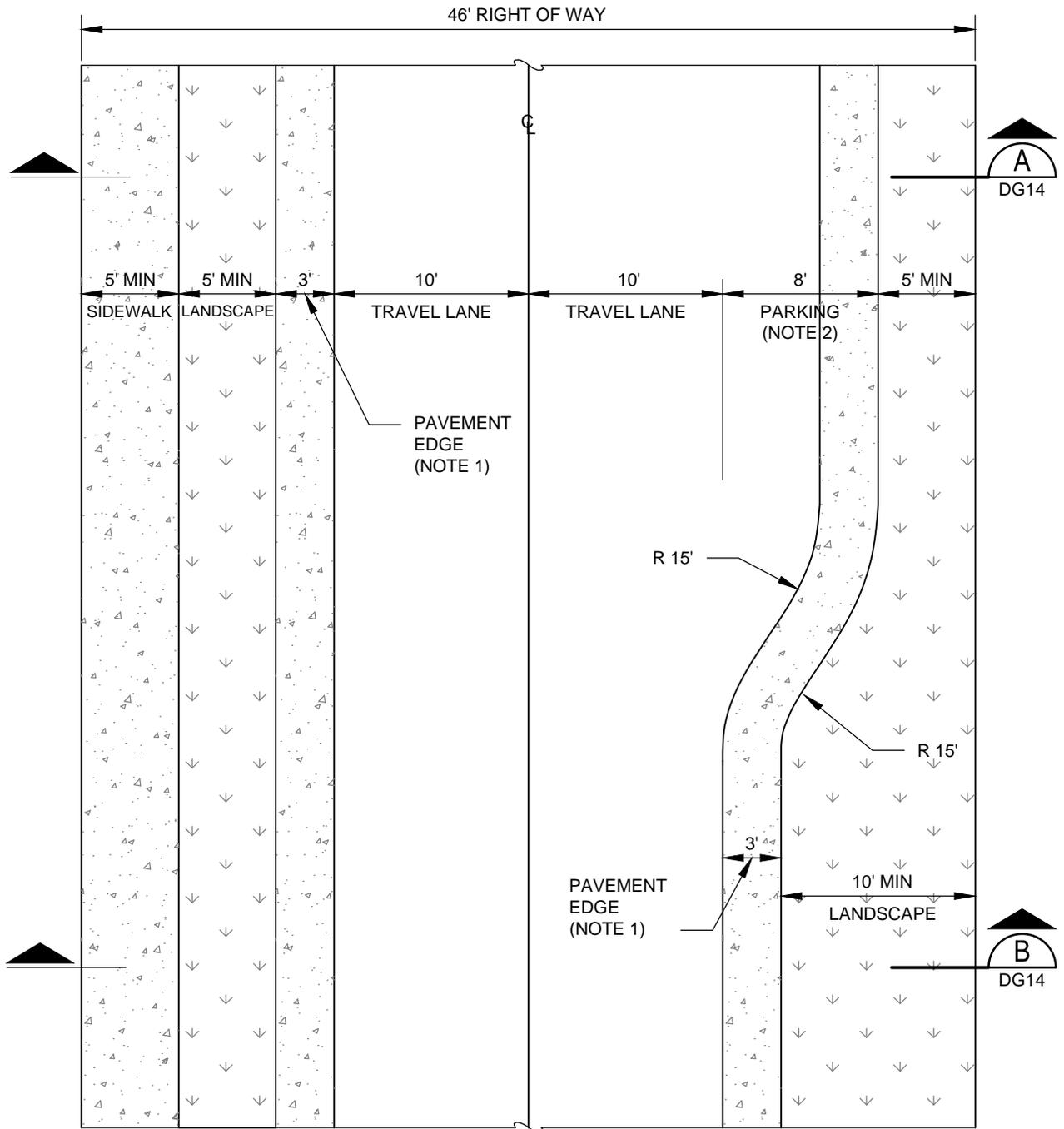
NOTES:

1. PEDESTRIAN CLEAR ZONE SHALL BE 6' MINIMUM IN DOWNTOWN AND OVERLAKE URBAN CENTERS. 6' MINIMUM IN PEDESTRIAN PRIORITY ZONES. 5' MINIMUM IN THE REST OF THE CITY. SEE TRANSPORTATION MASTER PLAN APPENDIX F-DESIGN GUIDANCE FOR MAP OF PEDESTRIAN PRIORITY ZONES
2. PROVIDE MINIMUM 1.5:1 TAPER IN URBAN CENTERS AND PEDESTRIAN PRIORITY ZONES. PROVIDE MINIMUM 1:1 TAPER IN REST OF THE CITY.
3. CROSS HATCH IS SHOWN TO DELINEATE CLEAR ZONE FROM CLEAR ZONE BUFFER. SEE STANDARD DETAILS 303-304 FOR MATERIAL REQUIREMENTS.

Donald Cairns
 APPROVED BY: DONALD CAIRNS
 TRANSPORTATION PLANNING AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2017



STANDARD DETAILS
PEDESTRIAN CLEAR ZONE
 FILE NAME: DG12_2017.DWG DETAIL NUMBER: DG12



PLAN VIEW
NTS

NOTES:

1. PAVEMENT EDGE SHALL CONSIST OF THICKENED EDGE OR RIBBON CURB CONCRETE ON EACH SIDE, SCORED OR SHINER AS APPROVED BY CITY ENGINEER.
2. PARKING SHALL BE LOCATED INTERMITTENTLY BETWEEN LANDSCAPED AREAS.
3. LIGHT POLES AND HYDRANTS SHALL BE LOCATED IN LANDSCAPE AREAS AS APPROVED BY CITY ENGINEER.
4. SEE STANDARD DETAIL DG14 FOR 46' RUSTIC STREET SECTIONS.

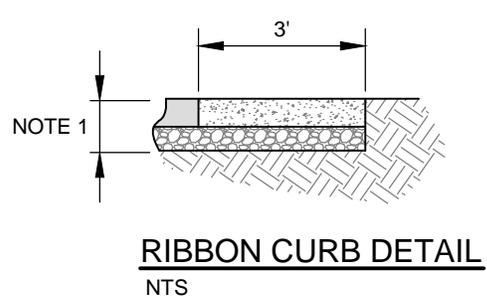
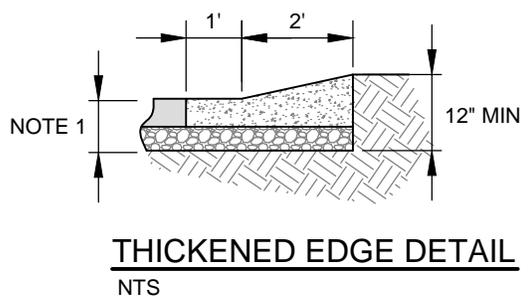
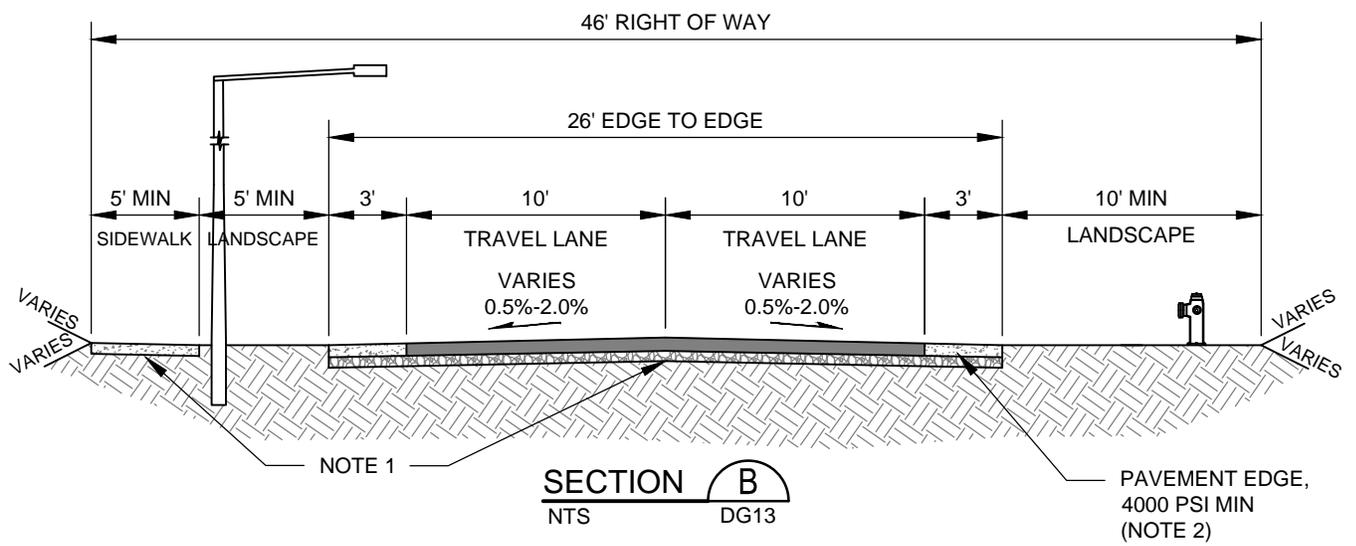
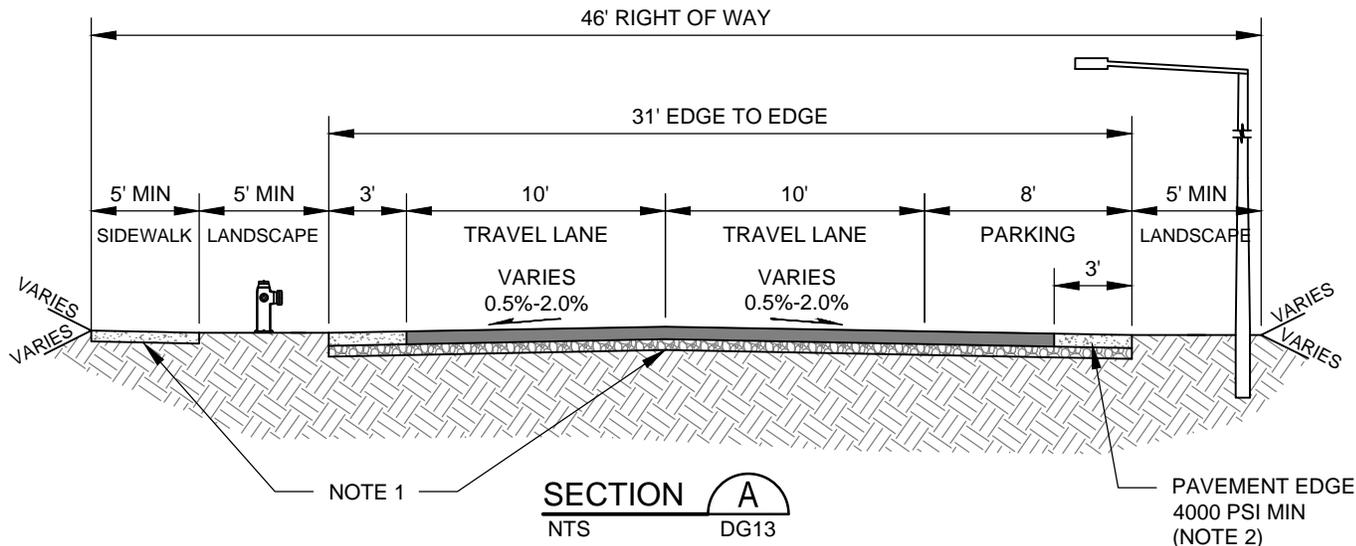

 APPROVED BY: DONALD CAIRNS
 TRANSPORTATION PLANNING AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2018



STANDARD DETAILS

46' RUSTIC STREET PLAN

FILE NAME: DG13.DWG DETAIL NUMBER: DG13

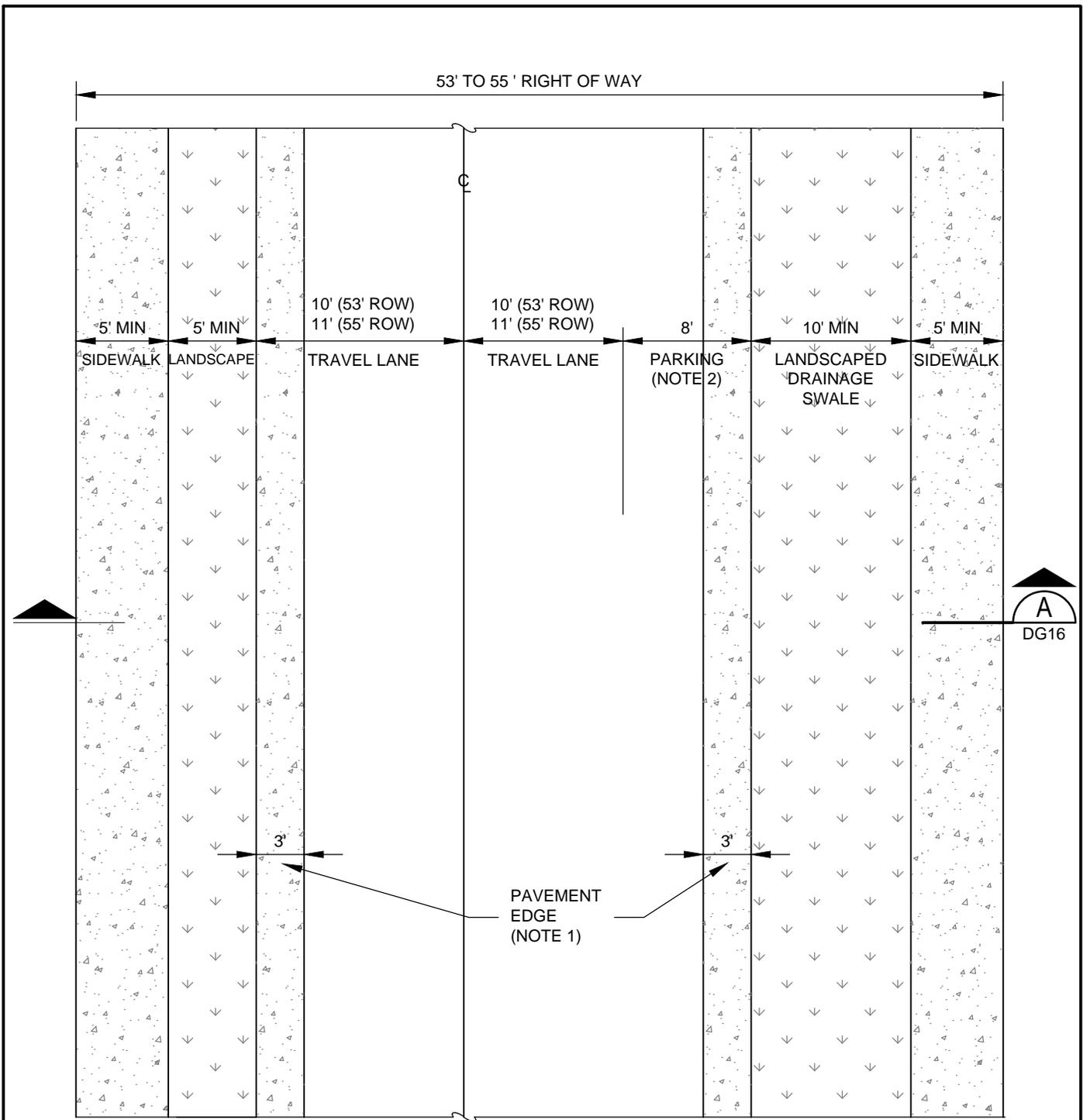


- NOTES:
1. SEE STANDARD DETAIL 301 FOR SIDEWALK, PAVEMENT, BASE COURSE AND SUBGRADE REQUIREMENTS.
 2. PAVEMENT EDGE SHALL CONSIST OF THICKENED EDGE OR RIBBON CURB CONCRETE (SEE DETAILS ABOVE) ON EACH SIDE, SCORED OR SHINER AS APPROVED BY CITY ENGINEER.
 3. LIGHT POLES AND HYDRANTS SHALL BE LOCATED IN LANDSCAPE AREAS AS APPROVED BY CITY ENGINEER.

Donald Cairns
 APPROVED BY: DONALD CAIRNS
 TRANSPORTATION PLANNING AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2018



STANDARD DETAILS
 46' RUSTIC STREET SECTIONS
 FILE NAME: DG14.DWG DETAIL NUMBER: DG14



PLAN VIEW

NTS

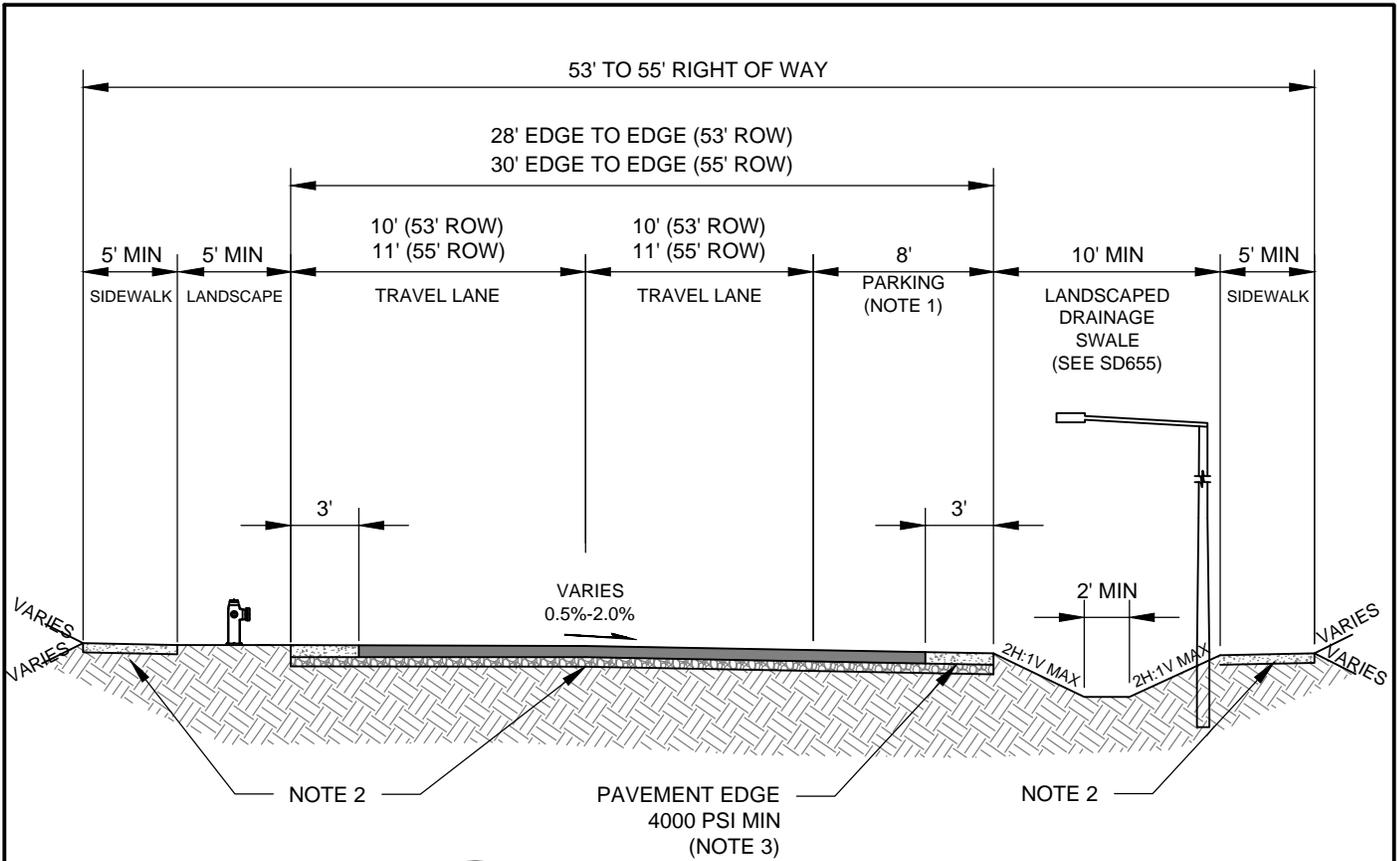
NOTES:

1. PAVEMENT EDGE SHALL CONSIST OF THICKENED EDGE OR RIBBON CURB CONCRETE ON EACH SIDE, SCORED OR SHINER AS APPROVED BY CITY ENGINEER.
2. SEE RZC APPENDIX 2, TABLE 3 FOR PARKING OPTIONS.
3. LIGHT POLES AND HYDRANTS SHALL BE LOCATED IN LANDSCAPE AREAS AS APPROVED BY CITY ENGINEER.
4. SEE STANDARD DETAIL DG16 FOR 53' TO 55' RUSTIC STREET SECTIONS.

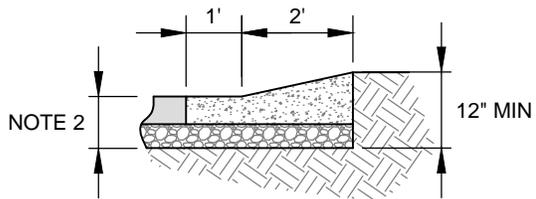

 APPROVED BY: DONALD CAIRNS
 TRANSPORTATION PLANNING AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2018



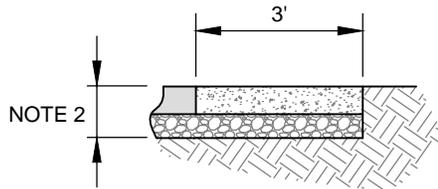
STANDARD DETAILS	
53' TO 55' RUSTIC STREET PLAN	
FILE NAME: DG15.DWG	DETAIL NUMBER: DG15



SECTION A
NTS DG15



THICKENED EDGE DETAIL
NTS



RIBBON CURB DETAIL
NTS

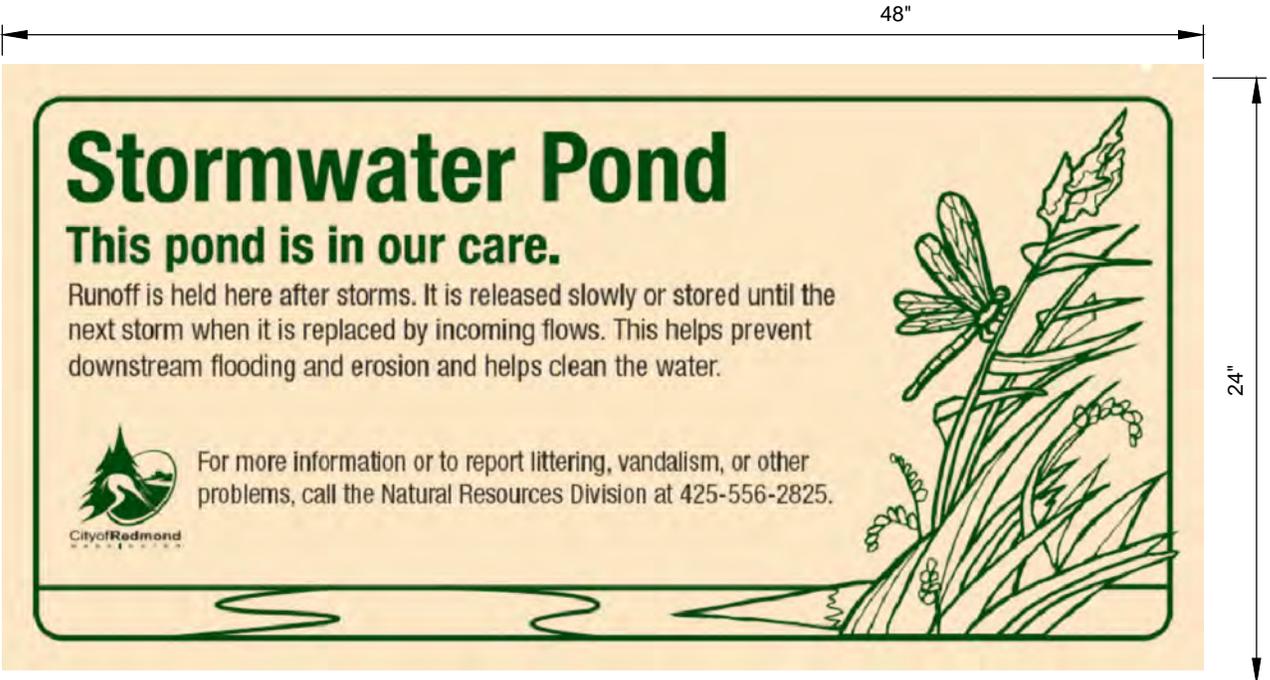
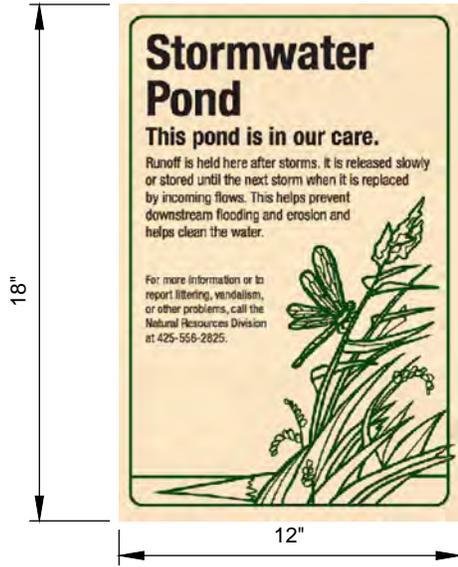
NOTES:

1. SEE RZC APPENDIX 2, TABLE 3 FOR PARKING OPTIONS.
2. SEE STANDARD DETAIL 301 FOR SIDEWALK, PAVEMENT, BASE COURSE AND SUBGRADE REQUIREMENTS.
3. PAVEMENT EDGE SHALL CONSIST OF THICKENED EDGE OR RIBBON CURB CONCRETE (SEE DETAILS ABOVE) ON EACH SIDE, SCORED OR SHINER AS APPROVED BY CITY ENGINEER.
4. LIGHT POLES AND HYDRANTS SHALL BE LOCATED IN LANDSCAPE AREAS AS APPROVED BY CITY ENGINEER.

Donald Cairns
 APPROVED BY: DONALD CAIRNS
 TRANSPORTATION PLANNING AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2018



STANDARD DETAILS
53' TO 55' RUSTIC STREET SECTIONS
 FILE NAME: DG16.DWG DETAIL NUMBER: DG16



NOTES:

1. THE SIGN COLORS ARE PMS 350 (DARK GREEN) FOR THE LETTERING AND PMS 726 (LIGHT TAN) FOR THE BACKGROUND.
2. THE FONT USED IS HELVETICA NEUE CONDENSED (BOLD AND REGULAR).
3. MATERIAL: 0.125-GAUGE ALUMINUM
4. FACE: 3 COATS OUTDOOR ENAMEL (SPRAYED)
5. LETTERING: SILK SCREEN ENAMEL
6. INSTALLATION: MOUNT ON FENCE, OR WITH PRESSURE TREATED POSTS WITH BEVELED TOPS, 1-1/2 INCH HIGHER THAN SIGN. IF POSTS ARE USED, SET IN 3 INCH DEEP BY 8INCH DIAMETER, CONCRETE FILLED POST HOLES. TOP OF SIGN SHOULD BE 3'-6" ABOVE GROUND. FOR LARGE SIGN, USE TWO POSTS. FOR SMALL SIGN, USE ONE.
7. PLACEMENT: FACE SIGN IN DIRECTION OF PRIMARY VISUAL OR PHYSICAL ACCESS. DO NOT BLOCK ACCESS ROAD. DO NOT PLACE WITHIN SIX FEET OF STRUCTURES. LOCATION IS SUBJECT TO APPROVAL BY THE STORMWATER ENGINEER.
8. AN ELECTRONIC FILE OF THE SIGN IS AVAILABLE FROM THE STORMWATER ENGINEER, AND THE STORMWATER ENGINEER WILL DETERMINE WHAT SIZE SIGN IS APPROPRIATE. FOR TREATMENT WETLANDS REPLACE TEXT "STORMWATER POND WITH "STORMWATER TREATMENT"

Gary M. Schimek

APPROVED BY: GARY M. SCHIMEK
NATURAL RESOURCES/STORMWATER ENGINEERING MANAGER

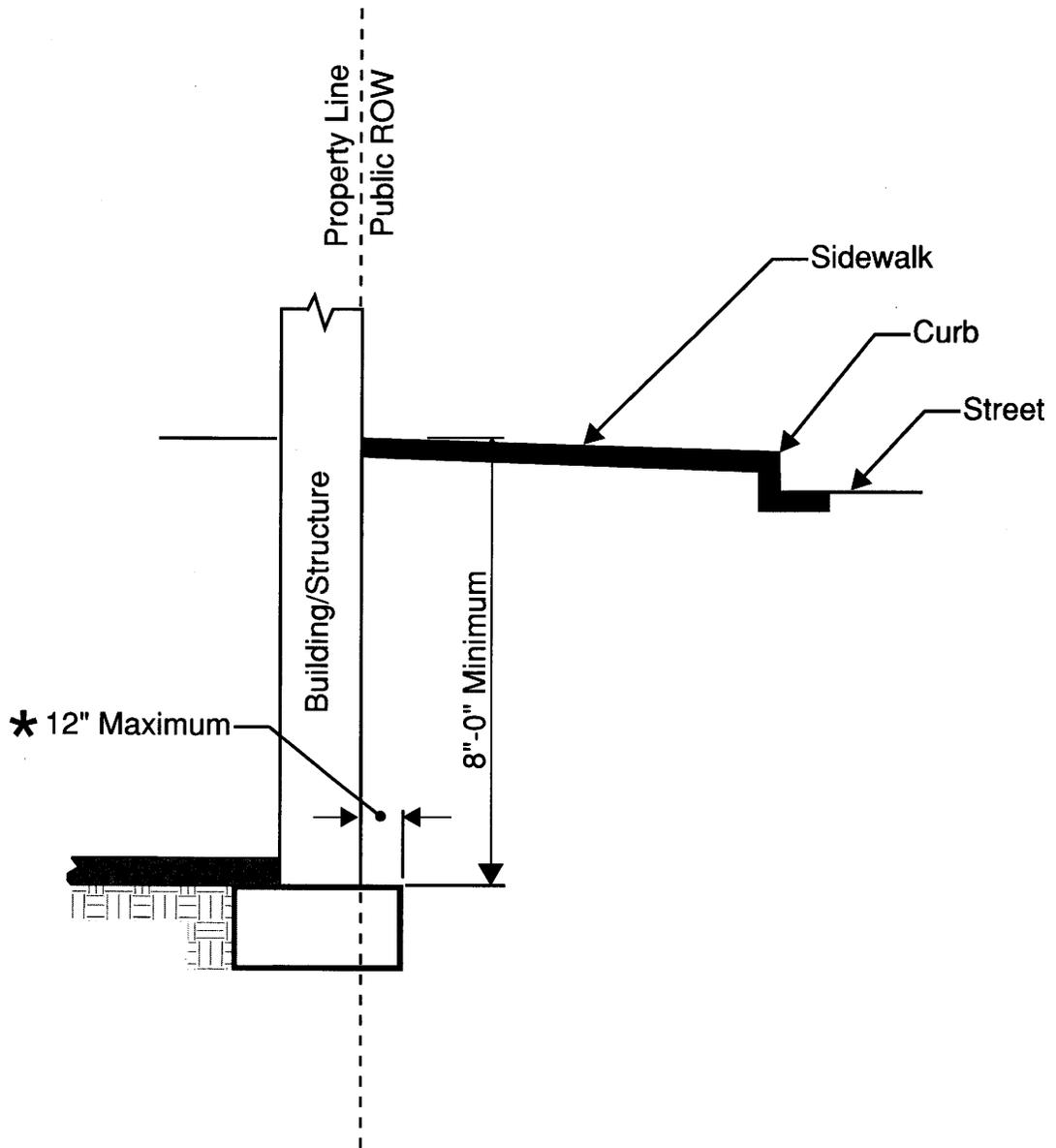
REVISION DATE: MARCH 01, 2018



STANDARD DETAILS

STORMWATER POND/TREATMENT SIGN

FILE NAME: DG17.DWG DETAIL NUMBER: DG 17



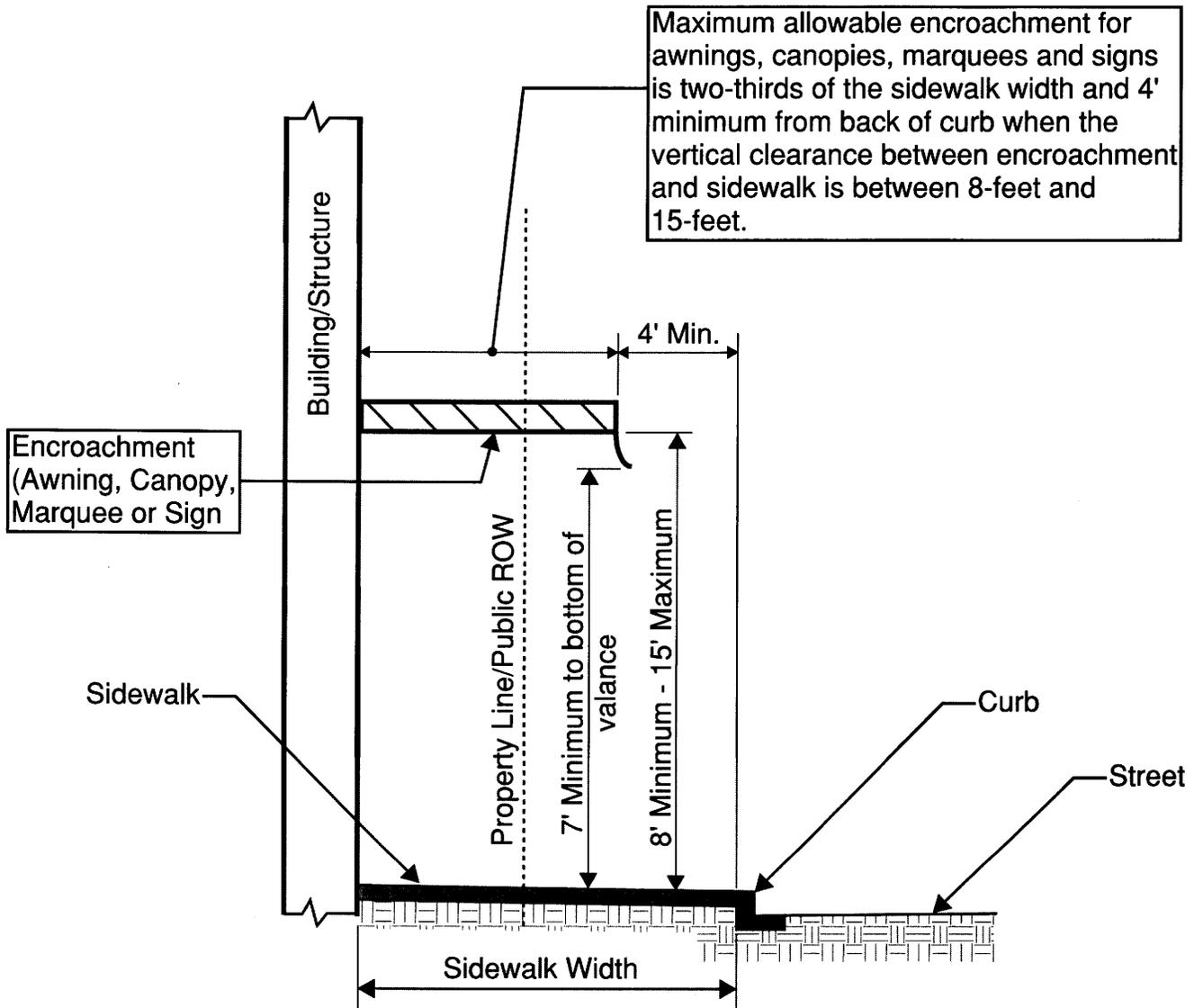
* There shall be no below grade encroachments into the Right-of-Way unless the City of Redmond Zoning Code allows structures to be built up to the Right-of-Way line on a designated property, then the building foundation may encroach a maximum of 12-inches into the Right-of-Way at a minimum of 8-feet below grade.

Not to Scale

Jon Spangler
 APPROVED BY: Jon Spangler
 REVISION DATE: 6/18/2018



STANDARD DETAILS	
Encroachment Detail Below Grade (ROW)	
FILE NAME:	DETAIL NUMBER: DG 18



NOTES:

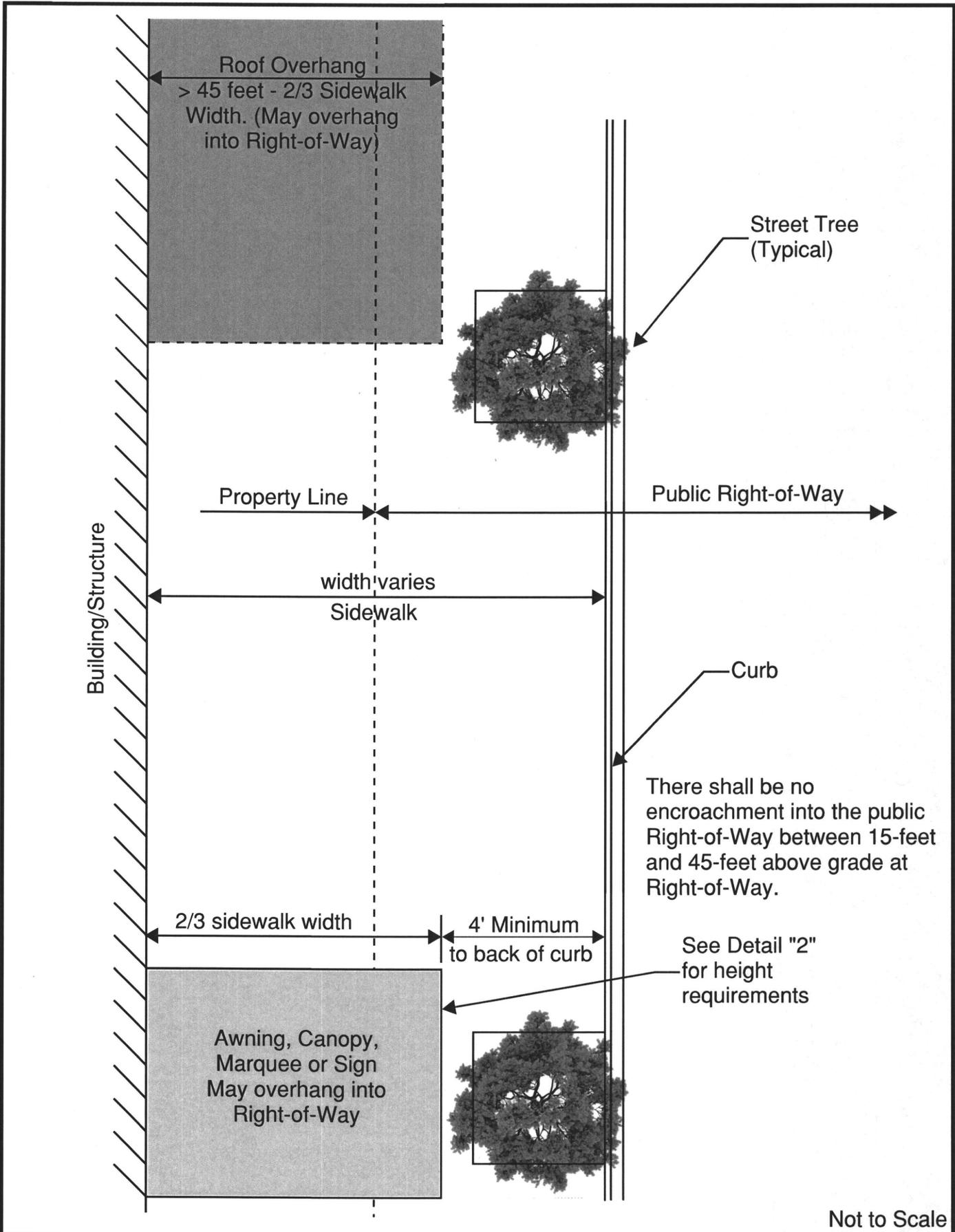
1. Awnings, canopies, marquees and signs may extend into the public right-of-way but shall be a minimum 4' from back of curb.
2. At a minimum that portion of the Awning, canopy, marquee or sign that extends into the right-of-way must be removable.
3. The property owner is responsible for removal at their expense at the city request.
4. The property owner is responsible for all maintenance related to awnings, canopies, marquees and signs.
5. Buildings, balconies, steps, windows, architectural features and mechanical equipment are NOT allowed in the Right-of-Way (ROW).

Not to Scale

Jon Spangler
 APPROVED BY: Jon Spangler
 REVISION DATE: 6/13/2018



STANDARD DETAILS	
Encroachment Detail Awnings, Canopies, Marquees and Signs 8-feet to 15-feet (ROW)	
FILE NAME:	DETAIL NUMBER: DG 19



Not to Scale

Jon Spangler
 APPROVED BY: Jon Spangler
 REVISION DATE: 6/13/2018



STANDARD DETAILS
 Encroachment Detail
 Plan View
 FILE NAME: _____
 DETAIL NUMBER: DG 20